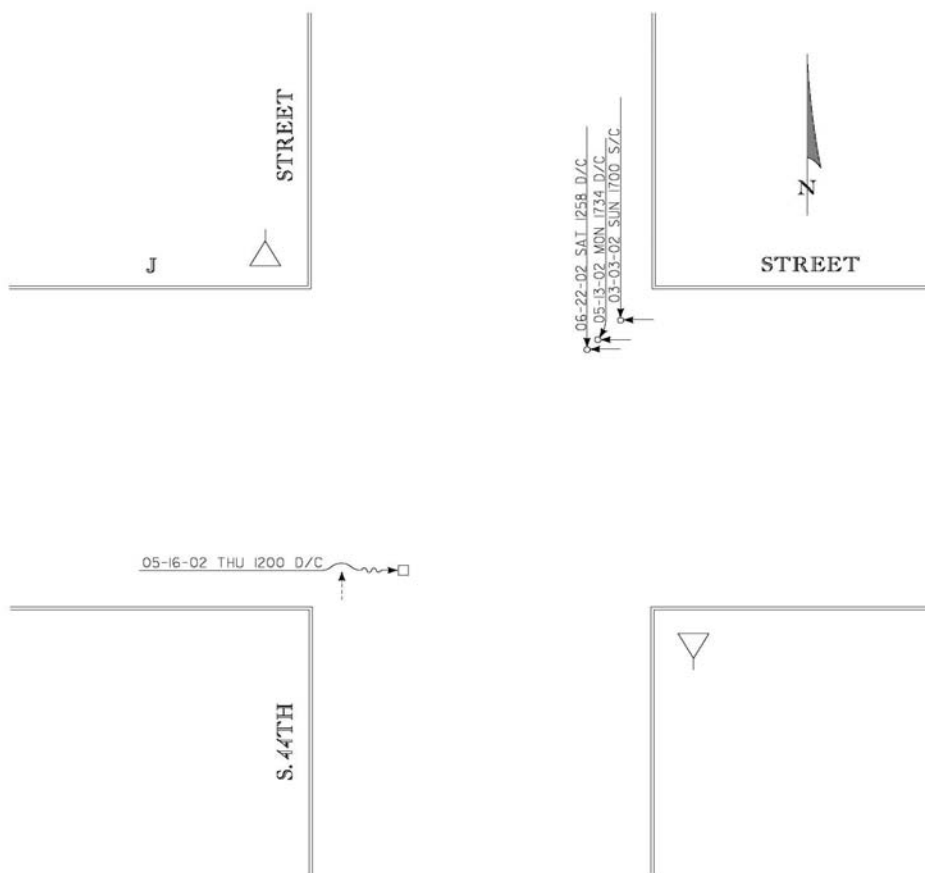


5.12 44th Street and J Street

BEFORE

ADT: 2,000 veh/day
Traffic Control: NB/SB Yield Sign

Time Period: 2001-8/2002
Crash Pattern: SB Right Angles



Total Crashes in Before Period: 4

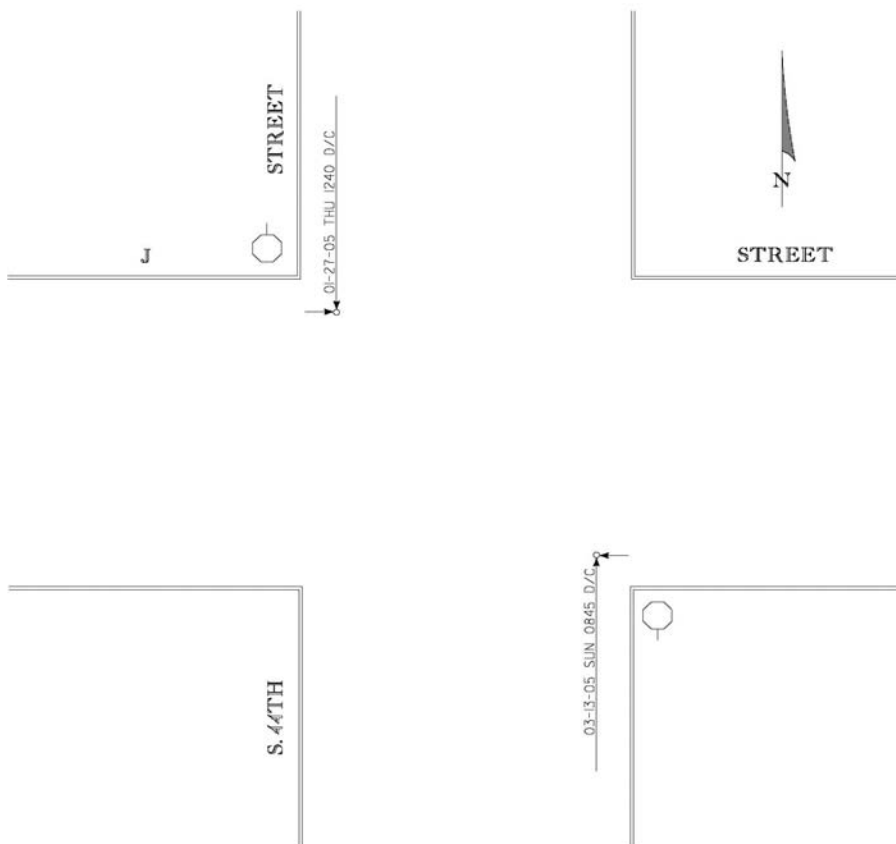
N/A

5.12 44th Street and J Street

AFTER

Countermeasures: Installed Stop Control
Improvement Completion Date: August, 2002

Time Period: 2004-8/2005
Speed Limits: NS Local- 25 mph
 EW Local- 25 mph



Total Crashes in After Period: 2



44th Street and J Street- Southbound Approach (After)

5.12 44th Street and J Street

COMPARISON

Countermeasures:

Installed Stop Control

Improvement Completion Date:

August, 2002

	Before	After	Change
Analysis Period	2001-8/2002	2004-8/2005	-
Primary Crash Benefit			
Total Number of Correctable Crashes	3	2	-33%
All Other Intersection Crashes	1	0	-100%
Intersection Crash Experience			
Injury + Fatal Crashes	3	2	-33%
Property Damage-Only Crashes	1	0	-100%
Non-Reportable Crashes	0	0	0%
<i>Total Number of Intersection Crashes</i>	<i>4</i>	<i>2</i>	<i>-50%</i>
Total Intersection Benefit			
Crash Rate	3.29	1.64	-50%
EPDO Rate	25.00	16.79	-33%
EPDO Number*	30.40	20.42	-9.98

Cost of Property Damage Crash: \$ 6,500
 Total Benefit (12 months): \$ 64,870
 Equivalent Uniform Annual Benefit (EUAB): \$ 67,910

Total Cost of Improvements:

Equivalent Uniform Annual Cost (EUAC): \$ 20
 Initial Cost: \$ 100

Benefit-Cost Ratio: $\frac{\$ 67,910}{\$ 20} = 3395.5$

Net Benefit (Present Worth): \$ 67,910 - \$20 = \$67,890

**Change Statistically Significant at 90% Confidence Interval*

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